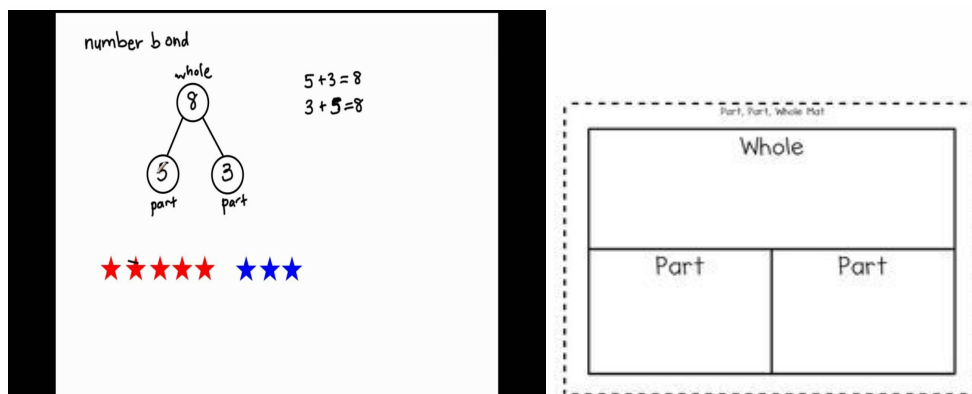# Grade 1:

Math instruction in grade 1 focuses on addition and subtraction. Students are expected to fluently add and subtract basic facts up to 10 and develop strategies for adding and subtracting larger numbers based on their work with small numbers. Students also extend their counting to 120 and develop an understanding of place value by thinking of whole numbers between 10 and 100 as groups of ten and ones. They use this understanding to compare 2-digit numbers, add and subtract multiples of 10, and add 1-digit numbers to a 2-digit number.

Fall:

- Learn addition and subtraction facts for numbers up to 10.
- Understand addition and subtraction as a relationship of 2 parts to a total/whole and use that understanding to solve problems for situations of adding to, taking from, putting together, taking apart and comparing. (e.g. I have 2 apples. I buy 4 more apples. How many apples do I have now?)
- Use tools to model addition and subtraction (number bond, part/part/whole mat, ten frame, number line)

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How-to videos:
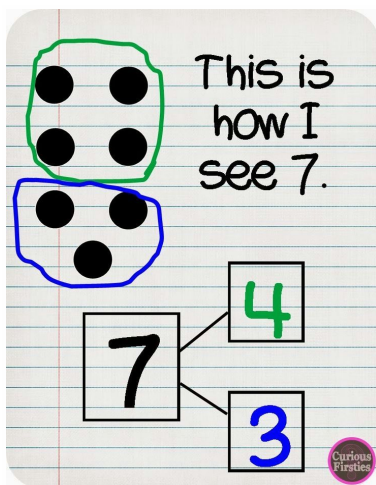
First Grade Fact Strategies

Adding with a Ten Frame

Part-Part-Whole

Adding on a Number Line

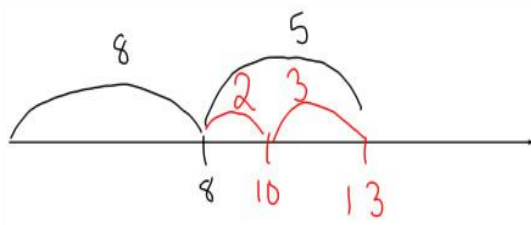Use a Number Bond to relate Addition and Subtraction

Winter:

- Understand how to decompose numbers to add and subtract more easily.
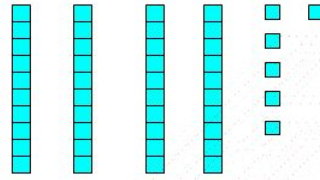 - decompose means to take apart

- Use strategies to extend their skill for adding and subtracting numbers to 20.
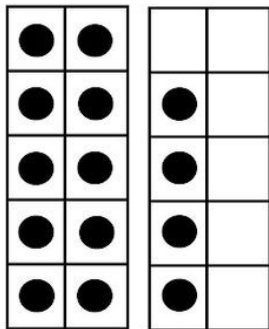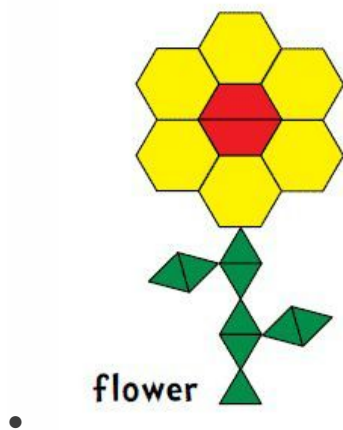 - strategies include adding and subtracting using:

open number line   **base ten blocks**   **ten frames**

- Measure lengths of objects using a shorter object as a unit of length. (e.g. Measure how long a spoon is using paper clips or Cheerios)
- Make a composite shape by joining shapes together. A composite shape is a shape that is formed by putting basic shapes together.

flower

-
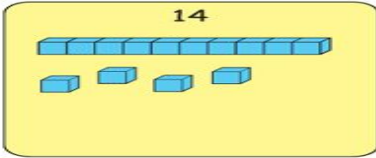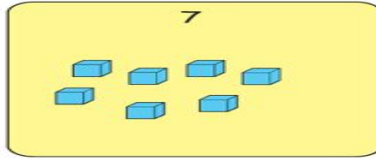- Divide circles and rectangles into halves or fourths/quarters and be able to name the parts.
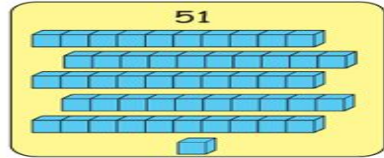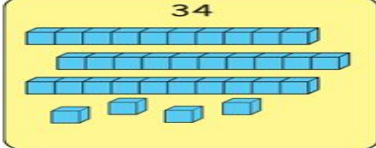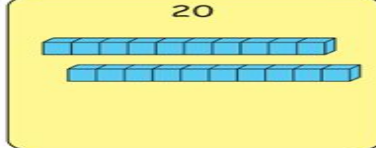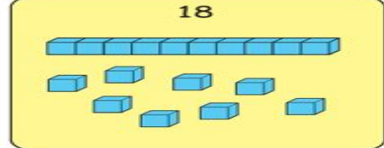
How-to videos:

- [What are Related Addition and Subtraction Facts?](#)
- [How to Use a Ten Frame to Add/Subtract](#)
- [Make Ten to Add/Subtract](#)
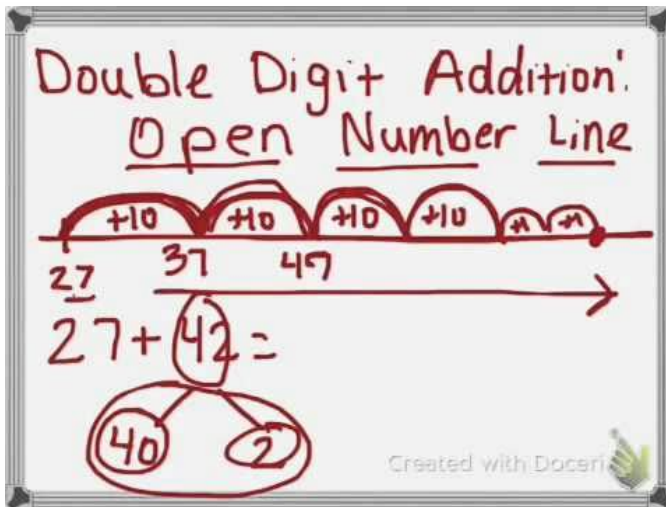- [Add/Subtract on an Open Number Line](#)

Spring:

- Understand that the digits in 2-digit numbers represent groups of ten and ones. (place value)

Represent the following numbers using Base Ten Blocks.

14   7   51

34   20   18

Use place value to add and subtract 2-digit numbers. (e.g.,28 + 5, 39 + 20, 74 - 26, 80 - 30)

How-to videos:

- [Add by Tens on an Open Number Line](#)
- [Add 2-digit Numbers on an Open Number Line](#)
- [Add 2-digit Numbers with Base Ten Blocks](#)